

=> s (kallikrein? (3a) (inhibit? or suppress?)) (p) (bpti or (bovine pancreatic t

641 KALLIKREIN?

233090 INHIBIT?

108160 SUPPRES?

49 BPTI

20555 BOVINE

3993 PANCREATIC

7080 TRYPSIN

233090 INHIBIT?

58 BOVINE PANCREATIC TRYPSIN INHIBIT?

(BOVINE(W) PANCREATIC(W) TRYPSIN(W) INHIBIT?)

L1 9 (KALLIKREIN? (3A) (INHIBIT? OR SUPPRES?)) (P) (BPTI OR (BOV
INE

PANCREATIC TRYPSIN INHIBIT?))

=> s (bpti or (bovine pancreatic trypsin inhibit?)) (3a) (mutant? or mutat? or a

49 BPTI

20555 BOVINE

3993 PANCREATIC

7080 TRYPSIN

233090 INHIBIT?

58 BOVINE PANCREATIC TRYPSIN INHIBIT?

(BOVINE(W) PANCREATIC(W) TRYPSIN(W) INHIBIT?)

8688 MUTANT?

8786 MUTAT?

255838 ANALOG?

21337 HOMOLOG?

1025636 ALTER?

L2 10 (BPTI OR (BOVINE PANCREATIC TRYPSIN INHIBIT?)) (3A) (MUTANT
? O

R MUTAT? OR ANALOG? OR HOMOLOG? OR ALTER?)

=> s kunitz?

L3 203 KUNITZ?

=> s l1 and l2 and l3

L4 4 L1 AND L2 AND L3

=> d 1-4 *checked L4 NM 6/16/97*

1. 5,455,338, Oct. 3, 1995, DNA encoding novel human ****kunitz****-type inhibitors and methods relating thereto; Cindy A. Sprecher, et al., 536/23.5; 435/6, 69.1, 69.6, 91.1, 252.33; 530/350, 381, 384 [IMAGE AVAILABLE]

2. 5,441,931, Aug. 15, 1995, Human amyloid protein precursor homologue and ****Kunitz****-type inhibitors; Cindy A. Sprecher, et al., 514/2; 435/69.1, 69.2, 212, 213, 252.3, 320.1; 530/350; 536/22.1, 23.1, 23.2, 23.5 [IMAGE AVAILABLE]

3. 5,436,153, Jul. 25, 1995, Human amyloid protein precursor homolog and ****Kunitz****-type inhibitor; Cindy A. Sprecher, et al., 435/252.33, 6,

69.1, 212, 213, 252.3, 320.1; 536/22.1, 23.1, 23.2, 23.5 [IMAGE AVAILABLE]

4. 4,153,687, May 8, 1979, Derivatives, having an inhibitory action against protease and an antiphlogistic action, of the trypsin-****kallikrein**** ****inhibitor**** obtained from cattle organs (****BPTI****), their preparation and their use as medicaments; Eugen Schnabel, et al., 514/12; 530/324 [IMAGE AVAILABLE]

=> e markland, william/in

=> s e3

L5 3 "MARKLAND, WILLIAM"/IN

=> d 1-3 *checked 15 Nov 6/16/97*

1. 5,571,698, Nov. 5, 1996, Directed evolution of novel binding proteins; Robert C. Ladner, et al., 435/69.7, 6, 69.1, 172.3, 252.3, 320.1 [IMAGE AVAILABLE]

2. 5,403,484, Apr. 4, 1995, Viruses expressing chimeric binding proteins; Robert C. Ladner, et al., 435/235.1, 69.7, 172.3, 252.3, 320.1; 530/350; 536/23.4 [IMAGE AVAILABLE]

3. 5,223,409, Jun. 29, 1993, Directed evolution of novel binding proteins; Robert C. Ladner, et al., 435/69.7, 5, 69.1, 172.3, 252.3, 320.1; 530/387.3, 387.5 [IMAGE AVAILABLE]

=> e ladner, robert charles/in

=> s e2

L6 14 "LADNER, ROBERT C"/IN

=> d 1-14 *checked L6 Nov 6/16/97*

1. 5,571,698, Nov. 5, 1996, Directed evolution of novel binding proteins; ****Robert C. Ladner****, et al., 435/69.7, 6, 69.1, 172.3, 252.3, 320.1 [IMAGE AVAILABLE]

2. 5,534,621, Jul. 9, 1996, Immunoaffinity purification methods using single polypeptide chain binding molecules; ****Robert C. Ladner****, et al., 530/413; 424/135.1; 435/69.6, 70.21, 172.2, 172.3, 252.33, 320.1; 530/387.3; 536/23.53 [IMAGE AVAILABLE]

3. 5,518,889, May 21, 1996, Immunoassay methods using single polypeptide chain binding molecules; ****Robert C. Ladner****, et al., 435/7.93, 7.1, 7.92, 7.94, 7.95; 436/536, 541, 542, 548 [IMAGE AVAILABLE]

4. 5,455,030, Oct. 3, 1995, Immunotherapy using single chain polypeptide binding molecules; ****Robert C. Ladner****, et al., 424/135.1, 133.1, 134.1, 181.1, 183.1; 435/69.6, 70.21, 172.3; 530/387.3, 391.7 [IMAGE AVAILABLE]

5. 5,403,484, Apr. 4, 1995, Viruses expressing chimeric binding proteins; **Robert C. Ladner**, et al., 435/235.1, 69.1, 172.3, 252.3, 320.1; 530/350; 536/23.4 [IMAGE AVAILABLE]
6. 5,260,203, Nov. 9, 1993, Single polypeptide chain binding molecules; **Robert C. Ladner**, et al., 435/172.3; 424/135.1; 435/69.6, 69.7; 530/387.3, 388.1, 391.1, 391.3, 391.7; 536/23.4, 23.53 [IMAGE AVAILABLE]
7. 5,223,409, Jun. 29, 1993, Directed evolution of novel binding proteins; **Robert C. Ladner**, et al., 435/69.7, 5, 69.1, 172.3, 252.3, 320.1; 530/387.3, 387.5 [IMAGE AVAILABLE]
8. 5,198,346, Mar. 30, 1993, Generation and selection of novel DNA-binding proteins and polypeptides; **Robert C. Ladner**, et al., 435/69.1, 172.3, 252.3, 320.1 [IMAGE AVAILABLE]
9. 5,096,815, Mar. 17, 1992, Generation and selection of novel DNA-binding proteins and polypeptides; **Robert C. Ladner**, et al., 435/69.1, 172.3, 252.3, 320.1 [IMAGE AVAILABLE]
10. 4,946,778, Aug. 7, 1990, Single polypeptide chain binding molecules; **Robert C. Ladner**, et al., 435/69.6, 69.1, 69.7, 252.31, 252.33, 254.11, 254.2, 320.1, 361, 364, 372.1; 530/387.3, 388.24, 388.9, 861, 866, 867; 536/23.4, 24.2; 935/15, 68, 69, 70, 73, 74 [IMAGE AVAILABLE]
11. 4,908,773, Mar. 13, 1990, Computer designed stabilized proteins and method for producing same; Michael W. Pantoliano, et al., 364/496, 498; 436/89 [IMAGE AVAILABLE]
12. 4,881,175, Nov. 14, 1989, Computer based system and method for determining and displaying possible chemical structures for converting double- or multiple-chain polypeptides to single-chain polypeptides; **Robert C. Ladner**, 364/496, 498; 395/932; 436/86, 89 [IMAGE AVAILABLE]
13. 4,853,871, Aug. 1, 1989, Computer-based method for designing stabilized proteins; Michael W. Pantoliano, et al., 364/496, 498; 436/89; 930/200, 240 [IMAGE AVAILABLE]
14. 4,704,692, Nov. 3, 1987, Computer based system and method for determining and displaying possible chemical structures for converting double- or multiple-chain polypeptides to single-chain polypeptides; **Robert C. Ladner**, 364/496, 498; 395/906; 436/86, 89; 930/DIG.530 [IMAGE AVAILABLE]

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FILE 'EMBASE' ENTERED AT 10:10:15 ON 16 JUN 1997
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FILE 'MEDLINE' ENTERED AT 10:10:15 ON 16 JUN 1997

FILE 'WPIDS' ENTERED AT 10:10:15 ON 16 JUN 1997
COPYRIGHT (C) 1997 DERWENT INFORMATION LTD

=> s (kallikrein? (3a) (inhibit? or suppress?)) (p) (bpti or (bovine pancreatic

TOTAL FOR ALL FILES

L5 32 (KALLIKREIN? (3A) (INHIBIT? OR SUPPRESS?)) (P) (BPTI OR (B
OVINE PANCREATIC TRYPSIN INHIBIT?))

=> s l5 and ((bpti or (bovine pancreatic trypsin inhibit?)) (3a) (mutat? or muta

TOTAL FOR ALL FILES

L10 2 L5 AND ((BPTI OR (BOVINE PANCREATIC TRYPSIN INHIBIT?)) (3A
) (MUTAT? OR MUTANT? OR ANALOG? OR HOMOLOG? OR ALTER?))

=> s l5 and kunitz?

TOTAL FOR ALL FILES

L15 12 L5 AND KUNITZ?

=> s l10 and kunitz?

TOTAL FOR ALL FILES

L20 1 L10 AND KUNITZ?

=> duplicate remove l5

L21 23 DUPLICATE REMOVE L5 (9 DUPLICATES REMOVED)

=> duplicate remove l10

L22 2 DUPLICATE REMOVE L10 (0 DUPLICATES REMOVED)

=> duplicate remove l15

L23 8 DUPLICATE REMOVE L15 (4 DUPLICATES REMOVED)

=> duplicate remove l20

L24 1 DUPLICATE REMOVE L20 (0 DUPLICATES REMOVED)

=> d l21 1-23 *checked l21 p26 6/26/97*

L21 ANSWER 1 OF 23 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD

AN 95-292934 [38] WPIDS

DNC C95-131879

TI ***Kallikrein*** ***inhibiting*** proteins comprising a
Kunitz domain homologous to ***bovine*** ***pancreatic***
trypsin ***inhibitor*** - useful for preventing or
treating disorders attributable to excessive kallikrein activity,
eg. in hereditary angioedema..

DC B04

IN LADNER, R C; MARKLAND, W

PA (PROT-N) PROTEIN ENG CORP

CYC 20

PI WO 9521601 A2 950817 (9538)* EN 46 pp A61K000-00

RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

W: CA JP US

WO 9521601 A3 950921 (9621) A61K000-00

EP 739355 A1 961030 (9648) EN C07K014-81

R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

ADT WO 9521601 A2 WO 95-US299 950111; WO 9521601 A3 WO 95-US299 950111;

EP 739355 A1 EP 95-909223 950111, WO 95-US299 950111

FDT EP 739355 A1 Based on WO 9521601

PRAI US 94-208264 940310; US 94-179964 940111

IC ICM A61K000-00; C07K014-81

L21 ANSWER 2 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 1

AN 95:402371 BIOSIS

DN 98416671

TI Kinetic mechanism of the ***inhibition*** of human urinary
kallikrein by basic pancreatic trypsin inhibitor.

AU Miranda T L S; Ramos C H I; Freire R T S; Souza E P; Rogana E;
Santoro M M; Figueiredo A F S

CS Dep. de Analises Clinicas, Toxicol. Fac. de Farmacia, UFMG, Caixa
Postal 689, 30180-112 Belo Horizonte, MG, Brazil

SO Brazilian Journal of Medical and Biological Research 28 (5). 1995.
505-512. ISSN: 0100-879X

LA English

L21 ANSWER 3 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 2

AN 96:108501 BIOSIS

DN 98680636

TI Characterization of a novel Kunitz-type molecule from the trematode
Fasciola hepatica.

AU Bozas S E; Panaccio M; Creaney J; Dosen M; Parsons J C; Vlasuk G V;
Walker I D; Spithill T W

CS Immunoparasitol. Dep., Victorian Inst. Anim. Sci., Attwood, VIC 3049,
Australia

SO Molecular and Biochemical Parasitology 74 (1). 1995. 19-29. ISSN:
0166-6851

LA English

L21 ANSWER 4 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS

AN 93:315996 BIOSIS

DN BA96:24346

TI DESIGNED REPLACEMENT OF AN INTERNAL HYDRATION WATER MOLECULE IN

BPTI STRUCTURAL AND FUNCTIONAL IMPLICATIONS OF A
 GLYCINE-TO-SERINE MUTATION.
 AU BERNDT K D; BEUNINK J; SCHROEDER W; WUETHRICH K
 CS INST. MOLEKULARBIOL. BIOPHYSIK, EIDGENOESSISCHE TECH.
 HOCHSCHULE-HOENGERBERG, CH-8093 ZURICH, SWITZ.
 SO BIOCHEMISTRY 32 (17). 1993. 4564-4570. CODEN: BICHAW ISSN: 0006-2960
 LA English

L21 ANSWER 5 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS
 AN 94:108367 BIOSIS
 DN 97121367
 TI Affinity and specificity of serine endopeptidase-protein inhibitor
 interactions: Empirical free energy calculations based on X-ray
 crystallographic structures.
 AU Krystek S; Stouch T; Novotny J
 CS Dep. Macromol. Modeling, Bristol-Myers Squibb Res. Inst., Princeton,
 NJ 08543-4000, USA
 SO Journal of Molecular Biology 234 (3). 1993. 661-679. ISSN: 0022-2836
 LA English

L21 ANSWER 6 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS
 AN 92:26270 BIOSIS
 DN BA93:15545
 TI CHEMICAL SEMISYNTHESIS OF APROTININ HOMOLOGUES AND DERIVATIVES
 MUTATED IN P' POSITIONS.
 AU GROEGER C; WENZEL H R; TSCHESCHE H
 CS UNIV. BIELEFELD, LEHRSTUHL BIOCHEMIE, FAKULTAET CHEMIE, D-4800
 BIELEFELD 1, GER.
 SO J PROTEIN CHEM 10 (5). 1991. 527-534. CODEN: JPCHD2 ISSN: 0277-8033
 LA English

L21 ANSWER 7 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 3
 AN 91:340211 BIOSIS
 DN BA92:39586
 TI ENZYMATIC SEMISYNTHESIS OF APROTININ HOMOLOGUES MUTATED IN P'
 POSITIONS.
 AU GROEGER C; WENZEL H R; TSCHESCHE H
 CS UNIV. BIELEFELD, LEHRSTUHL BIOCHEMIE, FAK. CHEMIE, D-4800 BIELEFELD
 1, GER.
 SO J PROTEIN CHEM 10 (2). 1991. 245-252. CODEN: JPCHD2 ISSN: 0277-8033
 LA English

L21 ANSWER 8 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS
 AN 89:379034 BIOSIS
 DN BA88:59624
 TI SEMISYNTHETIC APROTININ DERIVATIVES WITH SPECIFIC ALTERATIONS AT THE
 REACTIVE-SITE PEPTIDE BOND CAN BE USED TO STUDY STRUCTURE-FUNCTION
 RELATIONSHIPS.
 AU MEHLICH A; BECKMANN J; WENZEL H R; TSCHESCHE H
 CS UNIVERSITAET BIELEFELD, FAKULTAET FUER CHEMIE, D-4800 BIELEFELD 1,
 FRG.
 SO BIOCHIM BIOPHYS ACTA 996 (1-2). 1989. 22-29. CODEN: BBACAQ ISSN:
 0006-3002

LA English

L21 ANSWER 9 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS
AN 86:109872 BIOSIS
DN BA81:20288
TI PRIMARY STRUCTURE AND ANTIPROTEOLYTIC ACTIVITY OF KUNITZ-TYPE
INHIBITOR FROM BOVINE SPLEEN.
AU FIORETTI E; IACOPINO G; ANGELETTI M; BARRA D; BOSSA F; ASCOLI F
CS DEP. OF CELL BIOL., UNIV. OF CAMERINO, 62032 CAMERINO, ITALY.
SO J BIOL CHEM 260 (21). 1985. 11451-11455. CODEN: JBCHA3 ISSN:
0021-9258
LA English

L21 ANSWER 10 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 4
AN 86:206285 BIOSIS
DN BA81:97585
TI PROTEINASE INHIBITORS AND DENDROTOXINS SEQUENCE CLASSIFICATION
STRUCTURAL PREDICTION AND STRUCTURE-ACTIVITY.
AU DUFTON M J
CS DEP. PURE APPLIED CHEM., UNIV. STRATHCLYDE, THOMAS GRAHAM BUILD., 295
CATHEDRAL ST., GLASGOW, SCOTLAND, G1 1XL.
SO EUR J BIOCHEM 153 (3). 1985 (RECD. 1986). 647-654. CODEN: EJBCAI
ISSN: 0014-2956
LA English

L21 ANSWER 11 OF 23 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD
AN 83-29872K [13] WPIDS
DNC C83-029187
TI Immobilised ***kallikrein*** -trypsin ***inhibitor***
BPTI - for purificn. of proteolytic enzymes trypsin,
chymotrypsin and kallikrein by affinity chromatography.
DC B04 B05 D16
IN SCHUTT, H
PA (FARB) BAYER AG
CYC 4
PI DE 3135541 A 830324 (8313)* 50 pp
FR 2512445 A 830311 (8315)
JP 58055430 A 830401 (8319)
DK 8203999 A 830530 (8328)
PRAI DE 81-3135541 810908
IC A61K035-39; A61K037-02; C07C103-52; C12N009-76

L21 ANSWER 12 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS
AN 83:306873 BIOSIS
DN BA76:64365
TI INTERACTION BETWEEN SERINE PRO ENZYMES AND KAZAL AND KUNITZ
INHIBITORS.
AU ANTONINI E; ASCENZI P; BOLOGNESI M; GATTI G; GUARNERI M; MENEGATTI E
CS ISTITUTO CHIMICA, CENT. BIOL. MOLECOLARE C.N.R., FAC. MED., UNIV.
ROMA, P.LE A. MORO 3, 00185 ROMA, ITALY.
SO J MOL BIOL 165 (3). 1983. 543-558. CODEN: JMOBAK ISSN: 0022-2836
LA English

L21 ANSWER 13 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS
AN 84:169145 BIOSIS
DN BA77:2129
TI REFINED 2.5 ANGSTROM X-RAY CRYSTAL STRUCTURE OF THE COMPLEX FORMED BY
PORCINE KALLIKREIN A AND THE ***BOVINE*** ***PANCREATIC***
TRYPSIN ***INHIBITOR*** CRYSTALLIZATION PATTERSON SEARCH
STRUCTURE DETERMINATION REFINEMENT STRUCTURE AND COMPARISON WITH ITS
COMPONENTS AND WITH THE BOVINE TRYPSIN PANCREATIC TRYPSIN INHIBITOR
COMPLEX.
AU CHEN Z; BODE W
CS PEKING UNIV. INST. PHYSICAL CHEM., PEKING, CHINA.
SO J MOL BIOL 164 (2). 1983. 283-312. CODEN: JMOBAK ISSN: 0022-2836
LA English

L21 ANSWER 14 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 5
AN 81:262398 BIOSIS
DN BA72:47382
TI PLASMA KALLIKREIN GENERATING ACTIVITY EVOKED BY RAT PERITONEAL FLUID
MAST CELLS FOLLOWING TREATMENT WITH EPINEPHRINE 8 BROMO CYCLIC GMP OR
COMPOUND 48-80.
AU ROTHSCILD A M
CS DEP. PHARMACOL., SCH. MED. RIBEIRAO PRETO, UNIV. SAO PAULO, RIBEIRAO
PRETO, BRAZ.
SO BIOCHEM PHARMACOL 30 (5). 1981. 481-488. CODEN: BCPCA6 ISSN:
0006-2952
LA English

L21 ANSWER 15 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS
AN 80:184071 BIOSIS
DN BA69:59067
TI EFFECTOR MECHANISMS OF CYTOLYTICALLY ACTIVATED MACROPHAGES 2.
SECRETION OF A CYTOLYTIC FACTOR BY ACTIVATED MACROPHAGES AND ITS
RELATIONSHIP TO SECRETED NEUTRAL PROTEASES.
AU ADAMS D O; KAO K-J; FARB R; PIZZO S V
CS DEP. PATHOL., DIV. IMMUNOL., DUKE UNIV. MED. CENT., DURHAM, N.C.
27710, USA.
SO J IMMUNOL 124 (1). 1980. 293-300. CODEN: JOIMA3 ISSN: 0022-1767
LA English

L21 ANSWER 16 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS
AN 80:177116 BIOSIS
DN BA69:52112
TI EFFECTOR MECHANISMS OF CYTOLYTICALLY ACTIVATED MACROPHAGES 1.
SECRETION OF NEUTRAL PROTEASES AND EFFECT OF PROTEASE INHIBITORS.
AU ADAMS D O
CS DEP. PATHOL., DUKE UNIV. MED. CENT., DURHAM, N.C. 27710, USA.
SO J IMMUNOL 124 (1). 1980. 286-292. CODEN: JOIMA3 ISSN: 0022-1767
LA English

L21 ANSWER 17 OF 23 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD
AN 79-35507B [19] WPIDS
TI Derivs. of basic pancreatic trypsin inhibitor - partially modified
by reaction with amine in presence of carbodiimide.

DC B04
IN REINHARDT, G; SCHLUMBERG, H D; SCHNABEL, E
PA (FARB) BAYER AG
CYC 9
PI DE 2748295 A 790503 (7919)*
EP 1774 A 790516 (7920) DE
R: BE CH DE FR GB NL SE
DK 7804771 A 790521 (7924)
JP 54073702 A 790613 (7930)
PRAI DE 77-2748295 771027
IC A61K037-64; C07G007-00

L21 ANSWER 18 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS
AN 79:186380 BIOSIS
DN BA67:66380
TI THE ISOLATION AND PROPERTIES OF PIG SUBMANDIBULAR KALLIKREIN
EC-3.4.21.8.
AU LEMON M; FIEDLER F; FORG-BREY B; HIRSCHAUER C; LEYSATH G; FRITZ H
CS DEP. PHARMACOL., MED. SCH., UNIV. BRISTOL, BRISTOL BS8 1TD, ENGL.,
UK.
SO BIOCHEM J 177 (1). 1979. 159-168. CODEN: BIJOAK ISSN: 0306-3275
LA English

L21 ANSWER 19 OF 23 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD
AN 78-38498A [22] WPIDS
TI Basic pancreatic trypsin inhibitor derivs. - protease inhibitors
useful as antiinflammatory agents.
DC B04
PA (FARB) BAYER AG
CYC 9
PI BE 861267 A 780529 (7822)*
DE 2654124 A 780601 (7823)
NL 7713091 A 780531 (7824)
SE 7713436 A 780626 (7828)
JP 53068701 A 780619 (7830)
DK 7705260 A 780710 (7831)
FR 2373516 A 780811 (7837)
US 4153687 A 790508 (7921)
GB 1557599 A 791212 (7950)
PRAI DE 76-2654124 761129
IC A61K037-64; C07C103-52; C07G007-00

L21 ANSWER 20 OF 23 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD
AN 77-79314Y [45] WPIDS
TI Deaminated derivs. of trypsin-kallikrein inhibitors - used as enzyme
inhibitors for treatment of excess proteases prodn..
DC B04 C03
PA (FARB) BAYER AG
CYC 11
PI BE 854102 A 771031 (7745)*
DE 2619246 A 771110 (7746)
NL 7704690 A 771101 (7746)
SE 7704928 A 771128 (7750)

JP 52134009 A 771109 (7751)
DK 7701880 A 77122 (7804)
FR 2349598 A 771230 (7807)
US 4118481 A 781003 (7841)
GB 1533358 A 781122 (7847)
AT 7703054 A 800715 (8031)
CH 635514 A 830415 (8320)
PRAI DE 76-2619246 760430
IC A61K037-64; C07C103-52; C07G007-00

L21 ANSWER 21 OF 23 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 6
AN 78:140886 BIOSIS
DN BA65:27886
TI IDENTIFICATION OF THE HUMAN PLASMA PROTEIN WHICH INHIBITS
FIBRINOLYSIS ASSOCIATED WITH MALIGNANT CELLS.
AU COLLEN D; BILLIAU A; EDY J; DE SOMER P
CS LAB. BLOOD COAGULATION, DEP. MED. RES., UNIV. LEUVEN, 3000 LEUVEN,
BELG.
SO BIOCHIM BIOPHYS ACTA 499 (2). 1977 194-201. CODEN: BBACQ ISSN:
0006-3002
LA English

L21 ANSWER 22 OF 23 MEDLINE
AN 76089182 MEDLINE
TI [Effect of trypsin inhibitor of a peptide-protein nature on
kallikreins from human and rabbit blood stream].
Deistzie Ingibitoroz Tripsina Peptidno-Belkozoi Prirody Na
Kallikreiny Cyzorotiki Krozi Chelozeka I Krolika.
AU Paskhina T S; Krinskaia A V; Zykova V P
SO BIOKHIMIYA, (1975 Mar-Apr) 40 (2) 302-9.
Journal code: A28. ISSN: 0006-307X.
CY USSR
DT Journal; Article; (JOURNAL ARTICLE)
LA Russian
FS Priority Journals
EM 7605

L21 ANSWER 23 OF 23 EMBASE COPYRIGHT 1997 ELSEVIER SCI. B.V.
AN 76193532 EMBASE
TI Effect of trypsin inhibitors of peptide protein nature on
kallikreins of human and rabbit blood serum.
AU Paskhina T.S.; Krinskaya A.V.; Zykova V.P.
CS Inst. Biol. Med. Chem., Acad. Med. Sci. USSR, Moscow, USSR
SO BIOCHEMISTRY (N.Y.), (1975) 40/2I (252-258).
CODEN: BIORAK
LA English

=> d 122 1-2

checked 122 NIP 6/16/92

L22 ANSWER 1 OF 2 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD
AN 95-292934 [38] WPIDS
DNC C95-131879
TI ***Kallikrein*** ***inhibiting*** proteins comprising a

Kunitz domain ***homologous*** to ***bovine***
pancreatic ***trypsin*** ***inhibitor*** - useful
for preventing or treating disorders attributable to excessive
kallikrein activity, eg. in hereditary angioedema..

DC B04
IN LADNER, R C; MARKLAND, W
PA (PROT-N) PROTEIN ENG CORP
CYC 20
PI WO 9521601 A2 950817 (9538)* EN 46 pp A61K000-00
RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
W: CA JP US
WO 9521601 A3 950921 (9621) A61K000-00
EP 739355 A1 961030 (9648) EN C07K014-81
R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
ADT WO 9521601 A2 WO 95-US299 950111; WO 9521601 A3 WO 95-US299 950111;
EP 739355 A1 EP 95-909223 950111, WO 95-US299 950111
FDT EP 739355 A1 Based on WO 9521601
PRAI US 94-208264 940310; US 94-179964 940111
IC ICM A61K000-00; C07K014-81

L22 ANSWER 2 OF 2 BIOSIS COPYRIGHT 1997 BIOSIS
AN 93:315996 BIOSIS
DN BA96:24346
TI DESIGNED REPLACEMENT OF AN INTERNAL HYDRATION WATER MOLECULE IN
BPTI STRUCTURAL AND FUNCTIONAL IMPLICATIONS OF A
GLYCINE-TO-SERINE MUTATION.
AU BERNDT K D; BEUNINK J; SCHROEDER W; WUETHRICH K
CS INST. MOLEKULARBIOL. BIOPHYSIK, EIDGENOESSISCHE TECH.
HOCHSCHULE-HOENGERBERG, CH-8093 ZURICH, SWITZ.
SO BIOCHEMISTRY 32 (17). 1993. 4564-4570. CODEN: BICHAW ISSN: 0006-2960
LA English

=> d 123 1-8 *check L23 MR 6/16/97*

L23 ANSWER 1 OF 8 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD
AN 95-292934 [38] WPIDS
DNC C95-131879
TI ***Kallikrein*** ***inhibiting*** proteins comprising a
Kunitz domain homologous to ***bovine***
pancreatic ***trypsin*** ***inhibitor*** - useful
for preventing or treating disorders attributable to excessive
kallikrein activity, eg. in hereditary angioedema..
DC B04
IN LADNER, R C; MARKLAND, W
PA (PROT-N) PROTEIN ENG CORP
CYC 20
PI WO 9521601 A2 950817 (9538)* EN 46 pp A61K000-00
RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
W: CA JP US
WO 9521601 A3 950921 (9621) A61K000-00
EP 739355 A1 961030 (9648) EN C07K014-81
R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
ADT WO 9521601 A2 WO 95-US299 950111; WO 9521601 A3 WO 95-US299 950111;

EP 739355 A1 EP 95-909223 950111, WO 95-US299 950111
FDT EP 739355 A1 Based on WO 9521601
PRAI US 94-208264 940310; US 94-179964 940111
IC ICM A61K000-00; C07K014-81

L23 ANSWER 2 OF 8 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 1
AN 96:108501 BIOSIS
DN 98680636
TI Characterization of a novel ***Kunitz*** -type molecule from the
trematode Fasciola hepatica.
AU Bozas S E; Panaccio M; Creaney J; Dosen M; Parsons J C; Vlasuk G V;
Walker I D; Spithill T W
CS Immunoparasitol. Dep., Victorian Inst. Anim. Sci., Attwood, VIC 3049,
Australia
SO Molecular and Biochemical Parasitology 74 (1). 1995. 19-29. ISSN:
0166-6851
LA English

L23 ANSWER 3 OF 8 BIOSIS COPYRIGHT 1997 BIOSIS
AN 94:108367 BIOSIS
DN 97121367
TI Affinity and specificity of serine endopeptidase-protein inhibitor
interactions: Empirical free energy calculations based on X-ray
crystallographic structures.
AU Krystek S; Stouch T; Novotny J
CS Dep. Macromol. Modeling, Bristol-Myers Squibb Res. Inst., Princeton,
NJ 08543-4000, USA
SO Journal of Molecular Biology 234 (3). 1993. 661-679. ISSN: 0022-2836
LA English

L23 ANSWER 4 OF 8 BIOSIS COPYRIGHT 1997 BIOSIS
AN 86:109872 BIOSIS
DN BA81:20288
TI PRIMARY STRUCTURE AND ANTIPROTEOLYTIC ACTIVITY OF ***KUNITZ***
-TYPE INHIBITOR FROM BOVINE SPLEEN.
AU FIORETTI E; IACOPINO G; ANGELETTI M; BARRA D; BOSSA F; ASCOLI F
CS DEP. OF CELL BIOL., UNIV. OF CAMERINO, 62032 CAMERINO, ITALY.
SO J BIOL CHEM 260 (21). 1985. 11451-11455. CODEN: JBCHA3 ISSN:
0021-9258
LA English

L23 ANSWER 5 OF 8 BIOSIS COPYRIGHT 1997 BIOSIS DUPLICATE 2
AN 86:206285 BIOSIS
DN BA81:97585
TI PROTEINASE INHIBITORS AND DENDROTOXINS SEQUENCE CLASSIFICATION
STRUCTURAL PREDICTION AND STRUCTURE-ACTIVITY.
AU DUFTON M J
CS DEP. PURE APPLIED CHEM., UNIV. STRATHCLYDE, THOMAS GRAHAM BUILD., 295
CATHEDRAL ST., GLASGOW, SCOTLAND, G1 1XL.
SO EUR J BIOCHEM 153 (3). 1985 (RECD. 1986). 647-654. CODEN: EJBCAI
ISSN: 0014-2956
LA English

L23 ANSWER 6 OF 8 BIOSIS COPYRIGHT 1997 BIOSIS
AN 83:306873 BIOSIS
DN BA76:64365
TI INTERACTION BETWEEN SERINE PRO ENZYMES AND KAZAL AND ***KUNITZ***
INHIBITORS.
AU ANTONINI E; ASCENZI P; BOLOGNESI M; GATTI G; GUARNERI M; MENEGATTI E
CS ISTITUTO CHIMICA, CENT. BIOL. MOLECOLARE C.N.R., FAC. MED., UNIV.
ROMA, P.LE A. MORO 3, 00185 ROMA, ITALY.
SO J MOL BIOL 165 (3). 1983. 543-558. CODEN: JMOBAK ISSN: 0022-2836
LA English

L23 ANSWER 7 OF 8 MEDLINE
AN 76089182 MEDLINE
TI [Effect of trypsin inhibitor of a peptide-protein nature on
kallikreins from human and rabbit blood stream].
Deistzie Ingibitoroz Tripsina Peptidno-Belkozoi Prirody Na
Kallikreiny Cyzorotiki Krozi Chelozeka I Krolika.
AU Pashkina T S; Krinskaia A V; Zykova V P
SO BIOKHIMIYA, (1975 Mar-Apr) 40 (2) 302-9.
Journal code: A28. ISSN: 0006-307X.
CY USSR
DT Journal; Article; (JOURNAL ARTICLE)
LA Russian
FS Priority Journals
EM 7605

L23 ANSWER 8 OF 8 EMBASE COPYRIGHT 1997 ELSEVIER SCI. B.V.
AN 76193532 EMBASE
TI Effect of trypsin inhibitors of peptide protein nature on
kallikreins of human and rabbit blood serum.
AU Pashkina T.S.; Krinskaya A.V.; Zykova V.P.
CS Inst. Biol. Med. Chem., Acad. Med. Sci. USSR, Moscow, USSR
SO BIOCHEMISTRY (N.Y.), (1975) 40/2I (252-258).
CODEN: BIORAK
LA English

=> d 124

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L24 ANSWER 1 OF 1 WPIDS COPYRIGHT 1997 DERWENT INFORMATION LTD
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DNC C95-131879
TI ***Kallikrein*** ***inhibiting*** proteins comprising a
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DC B04
IN LADNER, R C; MARKLAND, W
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CYC 20
PI WO 9521601 A2 950817 (9538)* EN 46 pp A61K000-00
RW: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
W: CA JP US

WO 9521601 A3 950921 (9621)

A61K000-00

EP 739355 A1 96103 (9648) EN

C07K014-81

R: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

ADT WO 9521601 A2 WO 95-US299 950111; WO 9521601 A3 WO 95-US299 950111;

EP 739355 A1 EP 95-909223 950111, WO 95-US299 950111

FDT EP 739355 A1 Based on WO 9521601

PRAI US 94-208264 940310; US 94-179964 940111

IC ICM A61K000-00; C07K014-81